


Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 02052-079004	Application No. 10/637,620
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Manus P. Henry et al.	
		Filing Date August 11, 2003	Group Art Unit 1732 2.857

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
m/b	AA	Re 29,383	09/00/77	Gallatin et al.	137	14	
m/b	AB	Re 31,450	11/29/83	Smith	73	861.356	
m/b	AC	3,956,682	05/11/76	Van Dyck	318	640	
m/b	AD	4,419,898	12/13/83	Zanker et al.	73	861.02	
m/b	AE	4,422,338	12/27/83	Smith	73	861.356	
m/b	AF	4,491,025	01/01/85	Smith et al.	73	861.355	
m/b	AG	4,688,418	08/25/87	Cheung et al.	73	29.01	
m/b	AH	4,727,746	03/01/88	Mikasa et al.	73	23.31	
m/b	AI	4,757,390	07/12/88	Mehrgardt et al.	386	34	
m/b	AJ	4,773,257	09/27/88	Aslesen et al.	73	61.44	
m/b	AK	4,782,711	11/08/88	Pratt	733.31	6586.356	
m/b	AL	4,801,897	01/31/89	Flecken	331	65	
m/b	AM	4,817,448	04/04/89	Hargarten et al.	73	861.356	
m/b	AN	4,823,614	04/25/89	Dahlin	73	861.357	
m/b	AO	4,852,410	08/01/89	Corwon et al.	73	861.355	
m/b	AP	4,879,911	11/00/89	Zolock	73	861.356	
m/b	AQ	4,891,991	01/00/90	Mattar et al.	73	861.357	
m/b	AR	4,895,030	01/23/90	Bergamini et al.	73	861.355	
m/b	AS	4,911,006	03/00/90	Hargarten et al.	73	198	
m/b	AT	4,911,020	03/00/90	Thompson	73	861.356	
m/b	AU	4,934,195	06/00/90	Hussain	73	861.355	
m/b	AV	4,934,196	06/19/90	Romano	73	861.356	
m/b	AW	4,996,871	03/00/91	Romano	73	32A	
m/b	AX	5,027,662	07/00/91	Titlow et al.	73	861.356	
m/b	AY	5,029,482	07/09/91	Liu et al.	73	861.04	
m/b	AZ	5,050,439	09/00/91	Thompson	73	861.354	
m/b	BA	5,052,231	10/01/91	Christ et al.	73	861.356	

Examiner Signature <i>Michael P. Henry</i>	Date Considered 4/5/05
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
m/b	BB	5,054,326	10/08/91	Mattar	73	861.355	
m/b	BC	5,218,869	06/15/93	Pummer	73	629	
m/b	BD	5,228,327	07/20/93	Bruck	73	1.34	
m/b	BE	5,259,250	11/09/93	Kolpak	73	861.355	
m/b	BF	5,271,281	12/00/93	Mattar et al.	73	861.355	
m/b	BG	5,343,764	09/00/94	Matter et al.	73	861.355	
m/b	BH	5,347,874	09/20/94	Kalotay et al.	73	861.357	
m/b	BI	5,400,653	03/28/95	Kalotay et al.	73	861.355	
m/b	BJ	5,429,002	07/04/95	Coleman	73	861.356	
m/b	BK	5,469,748	11/28/95	Kalotay	73	861.356	
m/b	BL	5,497,665	03/00/96	Cage et al.	73	861.356	
m/b	BM	5,497,666	03/12/96	Patten et al.	73	861.355	
m/b	BN	5,535,632	07/16/96	Kolpak	73	861.04	
m/b	BO	5,555,190	09/00/96	Derby et al.	702	45	
m/b	BP	5,570,300	10/00/96	Henry et al.	702	45	
m/b	BQ	5,578,764	11/26/96	Yokoi et al.	73	861.356	
m/b	BR	5,594,180	01/00/97	Carpenter et al.	73	861.356	
m/b	BS	5,648,616	07/15/97	Keel	73	861.356	
m/b	BT	5,654,502	08/05/97	Dutton	73	152.18	
m/b	BU	5,687,100	11/11/97	Buttler et al.	702	137	
m/b	BV	5,774,378	06/00/98	Yang	702	104	
m/b	BW	5,804,741	09/08/98	Freeman	73	861.356	
m/b	BX	5,926,096	07/20/99	Mattar et al.	340	606	
m/b	BY	5,969,264	10/19/99	Rivkin	73	861.356	
m/b	BZ	6,073,495	06/13/00	Stadler	73	861.356	
m/b	CA	6,092,429	07/25/00	Cunningham et al.	73	861.356	
m/b	CB	6,311,136	10/30/01	Henry et al.	702	45	

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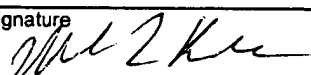
U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
m/b	CC	6,318,156	11/20/01	Dutton et al.	73	61.44	
m/b	CD	6,327,914	12/11/01	Dutton	73	861.356	
m/b	CE	6,505,519	01/14/03	Henry et al.	73	861.356	
m/b	CF	6,564,619	05/20/03	Dutton et al.	73	61.44	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
m/b	CG	EP 0 698 783 A1	28 FEB 1996	EUROPE			ABS	
m/b	CH	EP 0 702 212 A2	20 MAR 1996	EUROPE			English	
m/b	CI	EP 0696726A	14 FEB 1996	EPO				
m/b	CJ	EP 0827096	04 MAR 1998	EUROPE				
m/b	CK	WO 00/10059	24 FEB 2000	WIPO				
m/b	CL	WO 93/21505	28 OCT 1993	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
m/b	CM	A.F. Skea, "Effects of Gas Leaks in Oil Flow on Single-Phase Flowmeters", <i>Flow Measurement and Instrumentation</i> , Vol. 10, pp 146-150 (1999)
m/b	CN	David Spitzer, "Mass Flowmeters"; <i>Industries Flow Measurement, Chapter 12</i> ; pp. 197-210; 1990
m/b	CO	E. Luntta et al., "Neural Network Approach to Ultrasonic Flow Measurements", <i>Flow Measurement and Instrumentation</i> , Vol. 10, pp 35-43, 1999
m/b	CP	J. Hemp et al.; "On the Theory and Performance of Coriolis Mass Flowmeters"; <i>Proceedings of the International Conference on Mass Flow Measurement Direct and Indirect</i> ; IBC Technical Services; 40 pages; February 1989
m/b	CQ	J. Reimann, "Developments in Two-Phase Mass Flow Rate Instrumentation", pp 339-402
m/b	CR	J.T. Grumski et al., "Performance of a Coriolis-type Mass Flow Meter in the Measurement of Two-phase (air-liquid) Mixtures", ASME Fluid Engineering Division Publication FED, Vol. 17, pp 75-84, 1984
m/b	CS	Joseph DeCarlo; "True Mass-Flow Measurement"; <i>Fundamentals of Flow Measurement, Unit 11-2</i> ; pp. 208-220; 1984
m/b	CT	M. Henry et al., "The Implications of Digital Communications on Sensor Validation", Report No. QUEL 1912/92, University of Oxford, Department of Engineering Science, April 1992
m/b	CU	M.P. Henry et al., "A New Approach to Sensor Validation", Improving Analyser Performance, IMC, March 17, 1992
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m/b	CV	M.P. Henry et al., "A Self-Validating Digital Coriolis Mass-flow Meter" (1); overview, 1999
m/b	CW	M.P. Henry et al., "A standard Interface for Self-Validating Sensors", Report No. QUEL 1884/91, University of Oxford, Department of Engineering Science, Sept. 1991
m/b	CX	M.P. Henry et al., "Signal processing, Data Handling and Communications: The Case for Measurement Validation", March 1992
m/b	CY	M.P. Henry et al., "The Self-Validating Sensor: Rationale Definitions and Examples", <i>Control Engineering Practice</i> , 1 (4), pp 585-610, 1993
m/b	CZ	M.P. Henry, "Intelligent Behaviour For Self-Validating Sensors", <i>Advances in Measurement</i> , pp 1-7 date unknown
m/b	DA	M.P. Henry, "Self-Validation Improves Coriolis Meter", <i>Control Engineering</i> , 42 (6), pp 81-86 (1995)
m/b	DB	M.P. Henry, "Sensor Validation and Fieldbus", <i>IEE Computing and Control Engineering Journal</i> , 6 (6), pp 263-269
m/b	DC	R.P. Liu et al., "A Neural Network to Correct Mass Flow Errors Caused by Two Phase Flow in a Digital Coriolis Mass Flow Meter". Engineering Science Department, Oxford University
	DD	

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